

Title (en)  
Heat-recovery boiler provided with divergent duct

Title (de)  
Abhitzeessel mit einem divergierenden Kanal

Title (fr)  
Chaudière de récupération avec canal divergent

Publication  
**EP 0863364 A2 19980909 (EN)**

Application  
**EP 98200705 A 19980306**

Priority  
IT MI970509 A 19970307

Abstract (en)  
A heat-recovery boiler provided with a divergent duct that runs from the outlet of a turbine to the inlet of a boiler; the covering wall of the divergent duct, which runs from the top of the boiler to the top of the outlet of the turbine, is inclined at an angle (  $\alpha$  ) which is greater than 45 DEG and up to 75 DEG with respect to the horizontal plane; the divergent duct is connected with the upper part of the outlet of the turbine by means of an arc-shaped wall portion; inside the divergent duct, in the region delimited by the arc-shaped wall, gas stream conveyance profiles are provided which are arranged in succession and in adjacent rows. <IMAGE>

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**F22B 1/18**; F01D 25/30; F01K 23/10

IPC 8 full level  
**F01D 25/30** (2006.01); **F22B 1/18** (2006.01)

CPC (source: EP)  
**F01D 25/30** (2013.01); **F22B 1/1815** (2013.01); **F05D 2250/324** (2013.01)

Cited by  
EP2325559A1; RU2620309C2; US2012174586A1; EP2224101A1; US10001272B2; WO2011028356A3; WO2011060935A1; WO2016209365A1; US10280772B2; US10563527B2; US9291342B2; US9291177B2

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